

1 **WHAT IS CLAIMED IS:**

2 1. A heat radiator for a CPU comprising:

3 a metal piece having a top surface, a bottom surface, and a conical

4 surface between the top surface and the bottom surface, wherein a diameter of

5 the top surface is smaller than a diameter of the bottom surface;

6 a columned radiating piece provided outside the metal piece, the

7 radiating piece having multiple fins radially and separately extending from a

8 center of the columned radiating piece, and a conical recess with inner walls

9 defined at a bottom of the columned radiating piece for receiving the metal piece;

10 and

11 a fan mounted on a top of the columned radiating piece.

12 2. The heat radiator as claimed in claim 1, wherein the inner walls

13 defining the recess of the radiating piece respectively abut the top surface and the

14 conical surface of the metal piece.

15 3. The heat radiator as claimed in claim 1, wherein the columned

16 radiating piece has an opening longitudinally defined through the center of

17 radiating piece.

18 4. The heat radiator as claimed in claim 1, wherein a cross section of the

19 metal piece is trapezoid.

20 5. The heat radiator as claimed in claim 1, wherein the metal piece is

21 made of copper.

22 6. The heat radiator as claimed in claim 1, wherein the fins are made of

23 copper.